

Docket No.: 50212-509

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of

Tetsufumi TSUZAKI

Serial No.:

Group Art Unit:

Filed: June 30, 2003

Examiner:

For: OPTICAL FIBER COMPONENT FOR RAMAN AMPLIFICATION, RAMAN  
AMPLIFIER AND OPTICAL COMMUNICATIONS SYSTEM

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

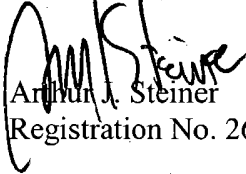
The relevance of each reference is discussed in the present specification.

Serial No.:

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

A handwritten signature in dark ink, appearing to read "Arthur J. Steiner", is written over the printed name.

Arthur J. Steiner  
Registration No. 26,106

600 13<sup>th</sup> Street, N.W.  
Washington, DC 20005-3096  
(202) 756-8000 AJS:km  
Facsimile: (202) 756-8087  
**Date: June 30, 2003**

INFORMATION DISCLOSURE CITATION IN AN APPLICATION							
(PTO-1449)							
ATTY. DOCKET NO. <b>50212-509</b>							
SERIAL NO.							
APPLICANT <b>Tetsufumi TSUZAKI</b>							
FILING DATE <b>June 30, 2003</b>							
GROUP							
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code <sub>z</sub> ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
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FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Code <sub>s</sub> -Number 4 -Kind Codes ( <i>if known</i> )	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation	
						Yes	No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
		FLUDGER, et al. "Electrical Measurements of Multipath Interference in Distributed Raman Amplifiers" Journal of Lightwave Technology Vol.19, No.4 (April, 2001) pp 536-545.					
		LEWIS, et al. "Characterization of Double Rayleigh Scatter Noise in Raman Amplifiers" IEEE Photonic Technology Letters Vol.12, No.5 (May, 2000) pp.528-530.					
EXAMINER			DATE CONSIDERED				

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.